

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal600cxc

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS 4	DEC 08	INPADOC: Legal Status data reloaded
NEWS 5	SEP 29	DISSABS now available on STN
NEWS 6	OCT 10	PCTFULL: Two new display fields added
NEWS 7	OCT 21	BIOSIS file reloaded and enhanced
NEWS 8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9	NOV 24	MSDS-CCOHS file reloaded
NEWS 10	DEC 08	CABA reloaded with left truncation
NEWS 11	DEC 08	IMS file names changed
NEWS 12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS 13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS 14	DEC 17	DGENE: Two new display fields added
NEWS 15	DEC 18	BIOTECHNO no longer updated
NEWS 16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS 17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19	DEC 22	ABI-INFORM now available on STN
NEWS 20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS 22	FEB 05	German (DE) application and patent publication number format changes
NEWS 23	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS 24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS 25	MAR 03	FRANCEPAT now available on STN
NEWS 26	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS 27	MAR 29	WPIFV now available on STN
NEWS 28	MAR 29	No connect hour charges in WPIFV until May 1, 2004
NEWS 29	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS EXPRESS		MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
NEWS LOGIN		Welcome Banner and News Items
NEWS PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS WWW		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:01:17 ON 06 APR 2004

=> file medline, agricola, caba, caplus, biosis, biotechno, uspatfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 14:01:23 ON 06 APR 2004

FILE 'AGRICOLA' ENTERED AT 14:01:23 ON 06 APR 2004

FILE 'CABA' ENTERED AT 14:01:23 ON 06 APR 2004  
COPYRIGHT (C) 2004 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 14:01:23 ON 06 APR 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 14:01:23 ON 06 APR 2004  
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHNO' ENTERED AT 14:01:23 ON 06 APR 2004  
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'USPATFULL' ENTERED AT 14:01:23 ON 06 APR 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (dixon, r? or dixon r?)/au  
L1 5708 (DIXON, R? OR DIXON R?)/AU

=> s (podstolski, a? or podstolski a?)/au  
L2 74 (PODSTOLSKI, A? OR PODSTOLSKI A?)/AU

=> s (havkin-frenkel, d? or havkin-frenkel d? or havkin frenkel, d? or havkin  
frenkel d? or havkinfrenkel, d? or havkinfrenkel d?)/au  
L3 39 (HAVKIN-FRENKEL, D? OR HAVKIN-FRENKEL D? OR HAVKIN FRENKEL, D?  
OR HAVKIN FRENKEL D? OR HAVKINFRENKEL, D? OR HAVKINFRENKEL D?)/A  
U

=> s l1 and l2 and l3  
L4 7 L1 AND L2 AND L3

=> duplicate remove l4  
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, USPATFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L4  
L5 2 DUPLICATE REMOVE L4 (5 DUPLICATES REMOVED)

=> d l5 1-2 bib

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1  
AN 2003:282155 CAPLUS  
DN 138:302756  
TI Vanillin biosynthetic pathway enzyme from Vanilla planifolia  
IN Havkin-Frenkel, Daphna; Podstolski, Andrzej;  
Dixon, Richard A.

PA USA  
 SO U.S. Pat. Appl. Publ., 49 pp., Cont.-in-part of U.S. Ser. No. 462,576.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003070188	A1	20030410	US 2002-87714	20020228
	WO 9903975	A1	19990128	WO 1998-US14895	19980715
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	WO 2003071861	A3	20031211	WO 2003-US6397	20030227
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 1997-52606P	P	19970715		
	WO 1998-US14895	W	19980715		
	US 2000-462576	A2	20000525		
	US 2001-272415P	P	20010228		
	US 2002-87714	A	20020228		

L5 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 2  
 AN 2002664431 MEDLINE  
 DN PubMed ID: 12423881  
 TI Unusual 4-hydroxybenzaldehyde synthase activity from tissue cultures of the vanilla orchid *Vanilla planifolia*.  
 AU **Podstolski Andrzej; Havkin-Frenkel Daphna; Malinowski Jacek; Blount Jack W; Kourteva Galina; Dixon Richard A**  
 CS Plant Biology Division, Samuel Roberts Noble Foundation, 2510 Sam Noble Parkway, Ardmore, OK 73401, USA.  
 SO Phytochemistry, (2002 Nov) 61 (6) 611-20.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200302  
 ED Entered STN: 20021109  
 Last Updated on STN: 20030212  
 Entered Medline: 20030211

=> s l1 or l2 or l3  
 L6 5790 L1 OR L2 OR L3

=> s l6 and vanilla  
 L7 34 L6 AND VANILLA

=> s l7 not l4  
 L8 27 L7 NOT L4

=> duplicate remove l8

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L8

L9 15 DUPLICATE REMOVE L8 (12 DUPLICATES REMOVED)

=> d l9 1-10 ti

L9 ANSWER 1 OF 15 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 1

TI A hairy tissue produces vanillin.

L9 ANSWER 2 OF 15 MEDLINE on STN DUPLICATE 2

TI Properties of diphenolase from **Vanilla planifolia** (Andr.) shoot  
primordia cultured in vitro.

L9 ANSWER 3 OF 15 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Localisation of diphenolase activity and phenolics in **Vanilla planifolia** shoot primordia cultured in liquid medium.

L9 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

TI Improved vanillin production

L9 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

TI Vanillin biosynthetic pathways: an overview

L9 ANSWER 6 OF 15 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Properties of polyphenol oxidases from **Vanilla planifolia**  
(Andr.) tissues cultured in liquid medium.

L9 ANSWER 7 OF 15 CABA COPYRIGHT 2004 CABI on STN

TI Plant tissue culture for production of secondary metabolites.

L9 ANSWER 8 OF 15 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2004) on STN DUPLICATE 3

TI **Vanilla.**

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

TI Vanillin biosynthesis- an overview.

L9 ANSWER 10 OF 15 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Vanillin biosynthesis: An overview.

=> d l9 5,9 bib

L9 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:288901 CAPLUS

DN 133:29624

TI Vanillin biosynthetic pathways: an overview

AU **Havkin-Frenkel, Daphna; Podstolski, Andrzej;**

Witkowska, Ewa; Molecki, Piotr; Mikolajczyk, Monika

CS David Michael and Co., Inc., Philadelphia, PA, 19154, USA

SO Plant Cell and Tissue Culture for the Production of Food Ingredients,  
[Proceedings of the Symposium on Plant Cell and Tissue Culture for the  
Production of Food Ingredients], San Francisco, April 13-17, 1997 (1999),  
Meeting Date 1997, 35-43. Editor(s): Fu, Tong-Jen; Singh, Gurmeet;  
Curtis, Wayne R. Publisher: Kluwer Academic/Plenum Publishers, New York,  
N. Y.

CODEN: 68WEAG

DT Conference; General Review

LA English

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:158343 CAPLUS  
TI Vanillin biosynthesis- an overview.  
AU **Havkin-Frenkel, Daphna; Podstolski, Andrzej**  
CS David Michael and Co., Philadelphia, PA, 19154, USA  
SO Book of Abstracts, 213th ACS National Meeting, San Francisco, April 13-17  
(1997), AGFD-011 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 64AOAA  
DT Conference; Meeting Abstract  
LA English

=> d l9 11-15 ti

L9 ANSWER 11 OF 15 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2004) on STN DUPLICATE 4  
TI Effect of light on vanillin precursors formation by in vitro cultures of  
**Vanilla planifolia**. [Erratum: Aug 1996, v. 46 (2), p. 169.]

L9 ANSWER 12 OF 15 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI **Vanilla**.

L9 ANSWER 13 OF 15 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI Alcohol dehydrogenase from **Vanilla planifolia** green embryo  
tissue culture.

L9 ANSWER 14 OF 15 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 5  
TI Biosynthesis and yield improvement of food ingredients from plant cell and  
tissue cultures.

L9 ANSWER 15 OF 15 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 6  
TI Plant cells for the production of food ingredients.

=> d his

(FILE 'HOME' ENTERED AT 14:01:17 ON 06 APR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'  
ENTERED AT 14:01:23 ON 06 APR 2004

L1 5708 S (DIXON, R? OR DIXON R?)/AU  
L2 74 S (PODSTOLSKI, A? OR PODSTOLSKI A?)/AU  
L3 39 S (HAVKIN-FRENKEL, D? OR HAVKIN-FRENKEL D? OR HAVKIN FRENKEL, D  
L4 7 S L1 AND L2 AND L3  
L5 2 DUPLICATE REMOVE L4 (5 DUPLICATES REMOVED)  
L6 5790 S L1 OR L2 OR L3  
L7 34 S L6 AND VANILLA  
L8 27 S L7 NOT L4  
L9 15 DUPLICATE REMOVE L8 (12 DUPLICATES REMOVED)

=> s hydroxybenzaldehyde  
L10 14963 HYDROXYBENZALDEHYDE

=> s coumaric  
L11 11825 COUMARIC

=> s l10 and l11  
L12 524 L10 AND L11

=> s l12 and vanilla  
L13 39 L12 AND VANILLA

=> s l13 and synthase  
L14 17 L13 AND SYNTHASE

=> s l14 not l6  
L15 9 L14 NOT L6

=> d l15 1-9 ti

L15 ANSWER 1 OF 9 MEDLINE on STN  
TI Vanillin.

L15 ANSWER 2 OF 9 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2004) on STN  
TI Vanillin.

L15 ANSWER 3 OF 9 CABA COPYRIGHT 2004 CABI on STN  
TI Vanillin.

L15 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Vanillin

L15 ANSWER 5 OF 9 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI Vanillin.

L15 ANSWER 6 OF 9 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Vanillin

L15 ANSWER 7 OF 9 USPATFULL on STN  
TI Production of p-hydroxybenzoic acid

L15 ANSWER 8 OF 9 USPATFULL on STN  
TI Production of vanillin

L15 ANSWER 9 OF 9 USPATFULL on STN  
TI Production of vanillin

=> duplicate remove l9  
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L9  
L16 15 DUPLICATE REMOVE L9 (0 DUPLICATES REMOVED)

=> duplicate remove l15  
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO,  
USPATFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L15  
L17 4 DUPLICATE REMOVE L15 (5 DUPLICATES REMOVED)

=> d l17 1-4 ti

L17 ANSWER 1 OF 4 USPATFULL on STN  
TI Production of p-hydroxybenzoic acid

L17 ANSWER 2 OF 4 MEDLINE on STN DUPLICATE 1  
TI Vanillin.

L17 ANSWER 3 OF 4 USPATFULL on STN  
TI Production of vanillin

L17 ANSWER 4 OF 4 USPATFULL on STN  
TI Production of vanillin

=> d 117 1-4 bib

L17 ANSWER 1 OF 4 USPATFULL on STN  
AN 2003:239351 USPATFULL  
TI Production of p-hydroxybenzoic acid  
IN Narbad, Arjan, Norfolk, UNITED KINGDOM  
Rhodes, Michael John Charles, Norfolk, UNITED KINGDOM  
Gasson, Michael John, Norfolk, UNITED KINGDOM  
Walton, Nicholas John, Norfolk, UNITED KINGDOM  
PI US 2003167511 A1 20030904  
AI US 2002-199405 A1 20020717 (10)  
RLI Division of Ser. No. US 2000-733383, filed on 7 Dec 2000, PENDING  
Division of Ser. No. US 1998-155185, filed on 22 Sep 1998, ABANDONED A  
371 of International Ser. No. WO 1997-GB809, filed on 24 Mar 1997,  
UNKNOWN  
PRAI GB 1996-6187 19960323  
DT Utility  
FS APPLICATION  
LREP Michael L. Goldman, NIXON PEABODY LLP, Clinton Square, P.O. Box 31051,  
Rochester, NY, 14603-1051  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 67  
DRWN 27 Drawing Page(s)  
LN.CNT 2760  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 2 OF 4 MEDLINE on STN DUPLICATE 1  
AN 2003283945 MEDLINE  
DN PubMed ID: 12809710  
TI Vanillin.  
AU Walton Nicholas J; Mayer Melinda J; Narbad Arjan  
CS Food Safety Science Division, Institute of Food Research, Norwich Research  
Park, Colney, Norwich NR4 7UA, UK.. nicholas.walton@bbsrc.ac.uk  
SO Phytochemistry, (2003 Jul) 63 (5) 505-15. Ref: 67  
Journal code: 0151434. ISSN: 0031-9422.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Priority Journals  
EM 200309  
ED Entered STN: 20030618  
Last Updated on STN: 20030917  
Entered Medline: 20030916

L17 ANSWER 3 OF 4 USPATFULL on STN  
AN 2001:134018 USPATFULL  
TI Production of vanillin  
IN Narbad, Arjan, Norfolk, Great Britain  
Rhodes, Michael John Charles, Norfolk, Great Britain  
Gasson, Michael John, Norfolk, Great Britain  
Walton, Nicholas John, Norfolk, Great Britain  
PI US 2001014467 A1 20010816  
US 6664088 B2 20031216  
AI US 2000-733383 A1 20001207 (9)  
RLI Division of Ser. No. US 1999-155183, filed on 3 May 1999, PENDING A 371  
of International Ser. No. WO 1997-GB809, filed on 24 Mar 1997, UNKNOWN  
PRAI GB 1996-6187 19960323  
DT Utility  
FS APPLICATION  
LREP Michael L. Goldman, NIXON PEABODY LLP, Clinton Square, P.O. Box 31051,  
Rochester, NY, 14603

CLMN Number of Claims: 66  
ECL Exemplary Claim: 1  
DRWN 27 Drawing Page(s)  
LN.CNT 2525  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 4 OF 4 USPTFULL on STN  
AN 2001:214867 USPTFULL  
TI Production of vanillin  
IN Narbad, Arjan, Norfolk, United Kingdom  
Rhodes, Michael John Charles, Norfolk, United Kingdom  
Gasson, Michael John, Norfolk, United Kingdom  
Walton, Nicholas John, Norfolk, United Kingdom  
PA Institute of Food Research, United Kingdom (non-U.S. corporation)  
PI US 6323011 B1 20011127  
WO 9735999 19971002  
AI US 1999-155183 19990503 (9)  
WO 1997-GB809 19970324  
19990503 PCT 371 date  
19990503 PCT 102(e) date  
PRAI GB 1996-6187 19960323  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Lilling, Herbert J.  
LREP Nixon Peabody LLP  
CLMN Number of Claims: 19  
ECL Exemplary Claim: 1  
DRWN 28 Drawing Figure(s); 27 Drawing Page(s)  
LN.CNT 2470  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:01:17 ON 06 APR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPTFULL'  
ENTERED AT 14:01:23 ON 06 APR 2004

L1 5708 S (DIXON, R? OR DIXON R?)/AU  
L2 74 S (PODSTOLSKI, A? OR PODSTOLSKI A?)/AU  
L3 39 S (HAVKIN-FRENKEL, D? OR HAVKIN-FRENKEL D? OR HAVKIN FRENKEL, D  
L4 7 S L1 AND L2 AND L3  
L5 2 DUPLICATE REMOVE L4 (5 DUPLICATES REMOVED)  
L6 5790 S L1 OR L2 OR L3  
L7 34 S L6 AND VANILLA  
L8 27 S L7 NOT L4  
L9 15 DUPLICATE REMOVE L8 (12 DUPLICATES REMOVED)  
L10 14963 S HYDROXYBENZALDEHYDE  
L11 11825 S COUMARIC  
L12 524 S L10 AND L11  
L13 39 S L12 AND VANILLA  
L14 17 S L13 AND SYNTHASE  
L15 9 S L14 NOT L6  
L16 15 DUPLICATE REMOVE L9 (0 DUPLICATES REMOVED)  
L17 4 DUPLICATE REMOVE L15 (5 DUPLICATES REMOVED)

=> s 4hbs or 4(w)hydroxybenzaldehyde(w)synthase  
L18 18 4HBS OR 4(W) HYDROXYBENZALDEHYDE(W) SYNTHASE

=> s l18 and (gene or DNA)  
L19 2 L18 AND (GENE OR DNA)

=> s l19 not l6  
L20 0 L19 NOT L6



=> d his

(FILE 'HOME' ENTERED AT 14:01:17 ON 06 APR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'  
ENTERED AT 14:01:23 ON 06 APR 2004

L1 5708 S (DIXON, R? OR DIXON R?)/AU  
L2 74 S (PODSTOLSKI, A? OR PODSTOLSKI A?)/AU  
L3 39 S (HAVKIN-FRENKEL, D? OR HAVKIN-FRENKEL D? OR HAVKIN FRENKEL, D  
L4 7 S L1 AND L2 AND L3  
L5 2 DUPLICATE REMOVE L4 (5 DUPLICATES REMOVED)  
L6 5790 S L1 OR L2 OR L3  
L7 34 S L6 AND VANILLA  
L8 27 S L7 NOT L4  
L9 15 DUPLICATE REMOVE L8 (12 DUPLICATES REMOVED)  
L10 14963 S HYDROXYBENZALDEHYDE  
L11 11825 S COUMARIC  
L12 524 S L10 AND L11  
L13 39 S L12 AND VANILLA  
L14 17 S L13 AND SYNTHASE  
L15 9 S L14 NOT L6  
L16 15 DUPLICATE REMOVE L9 (0 DUPLICATES REMOVED)  
L17 4 DUPLICATE REMOVE L15 (5 DUPLICATES REMOVED)  
L18 18 S 4HBS OR 4 (W)HYDROXYBENZALDEHYDE (W) SYNTHASE  
L19 2 S L18 AND (GENE OR DNA)  
L20 0 S L19 NOT L6

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

57.92

58.13

STN INTERNATIONAL LOGOFF AT 14:11:52 ON 06 APR 2004